

## Patent Claims

- 1) Packaging sheet suitable for packaging of grain products and their preparations, characterized in that the packaging sheet is comprised of a multilayered system comprising a hot seal layer, an HDPE layer and optionally a polypropylene layer, wherein the side facing away from the hot seal layer has a metallized barrier layer.
- 2) Packaging sheet as claimed in claim 1, characterized in that a metallized coextrusion sheet is utilized for the production of the packaging sheet, wherein the PE core is provided on one side with a hot seal layer and, on the other side, is optionally provided with a polypropylene layer, which is metallized.
- 3) Packaging sheet as claimed in claim 1, characterized in that a PE sheet is laminated with a polypropylene sheet by means of a lamination adhesive, wherein the polypropylene sheet may already be metallized or is subsequently metallized, and onto the PE sheet a hot seal layer is applied.
- 4) Packaging sheet as claimed in one of claims 1 to 3, characterized in that as the PE layer an HDPE, an LDPE or an LLDPE layer is utilized.
- 5) Packaging sheet as claimed in one of claims 1 to 4, characterized in that the packaging sheet comprises additionally radiation-absorbing and/or electrically conductive coatings applied over the entire surface or partially.
- 6) Packaging sheet as claimed in claim 5, characterized in that the packaging sheet comprises microwave-absorbing layer(s).

- 7) Packaging sheet as claimed in one of claims 1 to 6, characterized in that the packaging sheet carries an imprint in the form of symbols, patterns, letters and the like.
- 8) Packaging sheet as claimed in one of claims 1 to 7, characterized in that it has a gloss value according to DIN 67530 of  $> 40$  at  $60^\circ$ .
- 9) Use of the packaging sheet as claimed in one of claims 1 to 8 for packing grain products or cereals, such as corn flakes, müsli, grain flake meals and their preparations, dried and/or roasted fruit or seeds and cores or kernels, such as nuts, pistachios, corn kernels, dried fruit and the like, or tuber crop preparations, such as potato chips and the like or similar dried bulk goods.